

H07RN-8-F Flexible Rubber Cable



APPLICATION

For installation in dry, damp or wet environments, in workshops with explosive atmospheres: it can be immersed in fresh water up to 10m depth and it could be used as energy supply cable for submersed pumps. Not suitable for underwater power transmission or installation in a waterway or where mechanical damage might occur and cause hazard. For connections liable to moderate mechanical stresses, i.e. industrial or agricultural workshop apparatus, large boilers, electric appliances on building sites; also for fixed installations along floors or shelving on temporary job sites, for connecting structural elements in lifting apparatus, machinery, etc.

CHARACTERISTICS

Voltage Rating U_0/U

450/750V

Operating Temperature

Fixed: -40°C to +60°C

Flexed: -15°C to +60°C

Minimum Bending Radius

Fixed: 4 x overall diameter

Flexed: 6 x overall diameter

STANDARDS

EN 50525-2-21, HD 22.4S3, CEI 20-19 Part 16, EN 60228, VDE 0295

Flame Retardant according to IEC/EN 60332-1-2

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

Class 5 flexible copper conductor

Insulation

Rubber

Sheath

Rubber

Core Identification

1 core: Black

2 core: Blue Brown

3 core: Green/Yellow Blue Brown

4 core: Green/Yellow Blue Brown Grey

5 core: Green/Yellow Blue Brown Black Grey

6 core and above: Black with White numbers
Green/Yellow

Sheath Colour

Black; customization is available

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA	CONDUCTOR DIAMETER	MINIMUM OVERALL DIAMETER	MAXIMUM OVERALL DIAMETER	NOMINAL WEIGHT
	mm ²	mm	mm	mm	kg/km
1	1.5	1.5	5.7	7.1	50
1	2.5	1.9	6.3	7.9	70
1	4	2.4	7.2	9	100
1	6	3	7.9	9.8	130
1	10	3.9	9.5	11.9	200
1	16	4.9	10.8	13.4	280
1	25	6.1	12.7	15.8	400
1	35	7.3	14.3	17.9	510
1	50	8.9	16.5	20.6	710
3	1.5	1.5	9.2	11.9	150
3	2.5	1.9	10.9	14	210
3	4	2.4	12.7	16.2	280
3	6	3	14.1	18	370
3	10	3.9	19.1	24.2	660
3	16	4.9	21.8	27.6	920
3	25	6.1	26.1	33	1360
3	35	7.3	29.3	37.1	1820
3	50	8.9	34.1	42.9	2500
4	1	1.2	9.2	11.9	150
4	1.5	1.5	10.2	13.1	190
4	2.5	1.9	12.1	15.5	260
4	4	2.4	14	17.9	350
4	6	3	15.7	20	460
4	10	3.9	20.9	26.5	830
4	16	4.9	23.8	30.1	1190
4	25	6.1	28.9	36.6	1720
4	35	7.3	32.5	41.1	2260
7	1.5	1.5	15	19	340
7	2.5	1.9	17.5	21.5	500
12	1.5	1.5	17.6	22.4	530
12	2.5	1.9	20.6	26.2	720
18	1.5	1.5	20.7	26.3	700
24	1.5	1.5	24.3	30.7	960
36	1.5	1.5	27.8	35.2	1360